

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34638	Pool Code FEED	Pool Name WILLIAM MORROW
Property Code 24679	Property Name Toro "27" State	Well Number 1
OGRID No. 025773	Operator Name Louis Dreyfus Natural Gas Corporation	Elevation 3720'

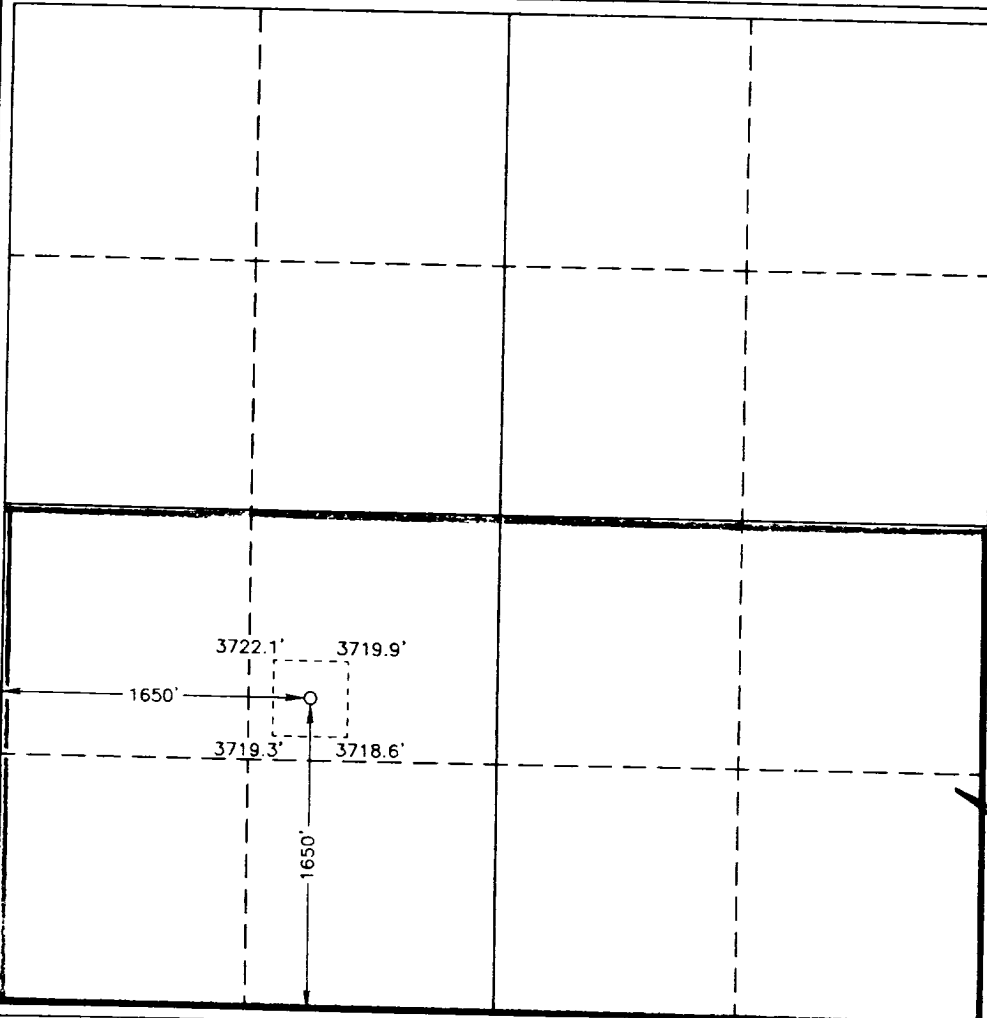
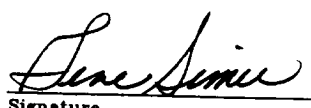
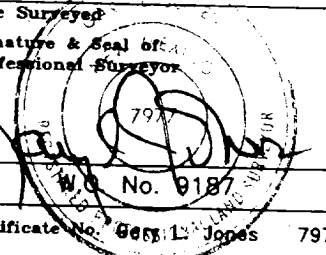
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	27	19 S	35 E		1650	South	1650	West	Lea

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill N	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature Gene Simer Printed Name District Operations Mgr. Title May 27, 1999 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. May 25, 1999 Date Surveyed Signature & Seal of Professional Surveyor  Certificate No. 9187 7977 BASIN SURVEYS

ELF

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
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Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address. LOUIS DREYFUS NATURAL GAS CORP. 14000 QUAIL SPRINGS PARKWAY, SUITE 600 OKLAHOMA CITY, OK 73134		OGRID Number 228125 25723
Property Code 24679	Property Name TORO 27 STATE	API Number 30-025-34638
		Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	27	19S	35E		1650	South	1650	West	Lea

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 Morrow					Proposed Pool 2				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	G	R	S	3720'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
No	13,500'	Morrow		6/21/99

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	54.5# J-55	620'	490	Surface
12 1/4"	9 5/8"	36# J-55	5300'	2610	Surface
7 7/8"	5 1/2"	17# P-110	13500'	800	9500'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. See attached "Exhibit 6" for BOP assembly

1. Drill 17 1/2" hole to $\pm 620'$. Run 13 3/8" csg. and cement to surface w/335 sks. 35/65/6% gel + 2 CaCl + .25# celloflake, 12.4 ppg, 2.07 cf/sk. yld. Tail w/155 sks. Cl. C + 2% CaCl, 14.8 ppg, 1.33 cf/sk. yld.
2. Drill 12 1/4" hole to $\pm 5300'$. Set 9 5/8" csg. and cement to surface w/2340 sks. 35/65/6% gel + 5% Salt + 1/4# celloflake, 12.8 ppg, 1.94 cf/sk. Tail w/270 sks. Cl. C + 1% CaCl, 14.8 ppg, 1.33 cf/sk. yld.
3. Drill 7 7/8" hole to $\pm 13500'$. Run 5 1/2" csg. to TD and cement to $\pm 9500'$ w/800 sks. Cl. H + 2% B28 + .5 gps D-600 + .05 gps M45 + 0.1% D153 + 0.2% D800, 15.6 ppg, 1.2 cf/sk. yld.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Terrye D. Bryant

Title:

Regulatory Technician

Date:

6/3/99

Phone:

(405) 749-5287

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

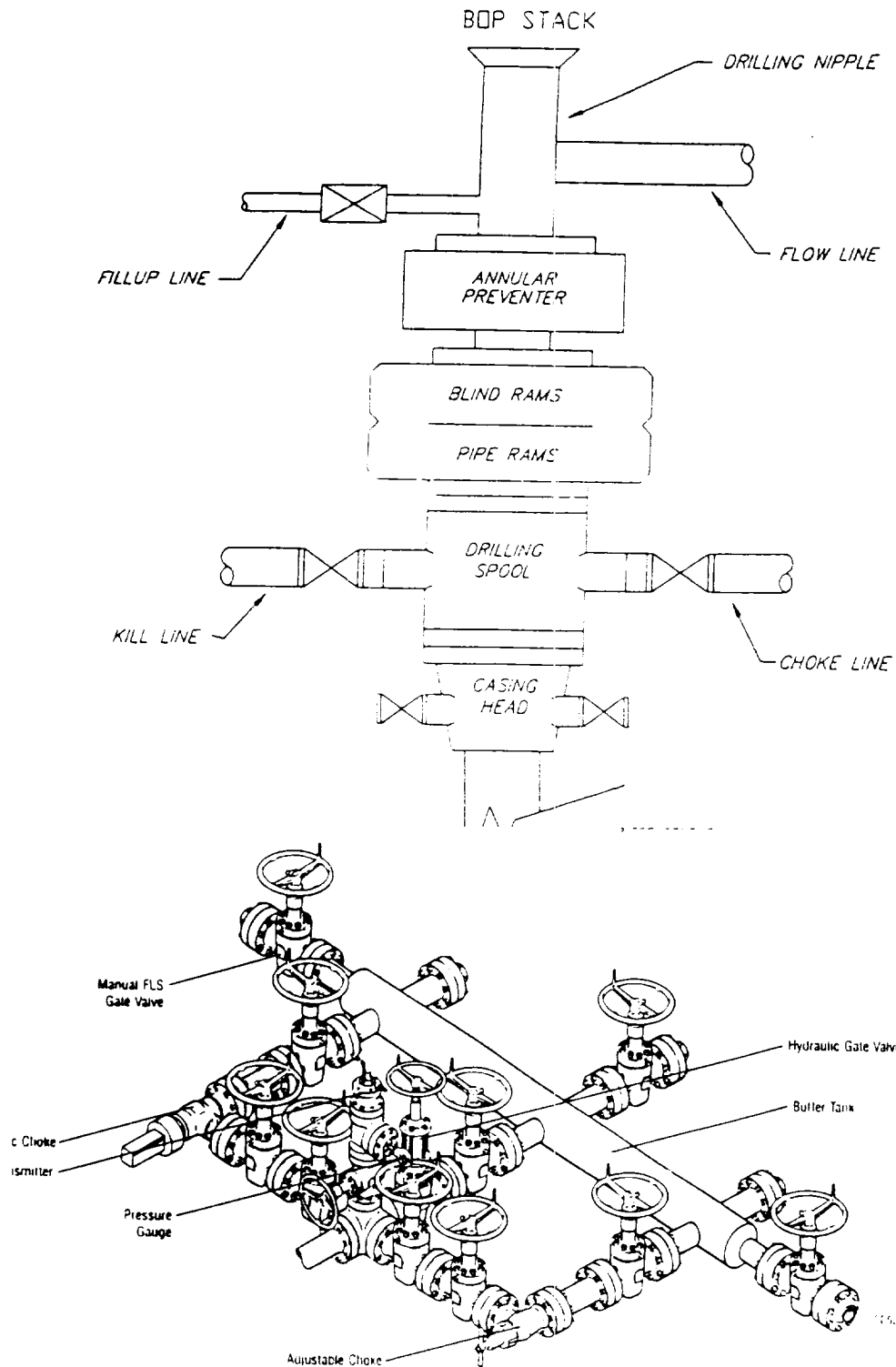
Conditions of Approval:

Attached ☐

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Exhibit 6

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER & CHOKE MANIFOLD SCHEMATIC



Typical Choke Manifold Designed for Land Drilling Applications